

## TECHNICAL DATA SHEET

	<b>Offshore</b>
<b>Turbine type</b>	XE128
<b>Rated power [MW]</b>	5

<b>Operational data</b>	
Cut-in wind speed [m/s]	3
Cut-out wind speed [m/s]	25
Rated wind speed [m/s]	12
Designed for wind class (According to IEC 61400-1)	IIB

<b>Rotor</b>	
Diameter [m]	128
Speed [rpm]	Variable (Nominal: 15)
Power regulation	Full span pitch
Tilt angle [°]	6
Blade material	Glass fiber reinforced epoxy

<b>Generator</b>	
Type	Synchronous Permanent magnet Direct drive
Cooling	Dehumidified forced air
Main bearing	Single main bearing Multiple row, cylindrical roller bearing

<b>Converter</b>	
Type	Voltage source inverter
Voltage [V]	3150
Grid coupling	AC-DC-AC

<b>Tower</b>	
Material	Steel tubular
Hub height [m]	100 to 140 (project dependent)

<b>Masses [ton]</b>	
Rotor (hub + blades)	126
Generator	147
Nacelle	59
Total top mass	333

